

P5500

LED Architectural Downlighting



- HIGH TECH ENERGY EFFICIENT DESIGN
- COMMERCIAL & RESIDENTIAL INDOOR LIGHTING
- ADVANCED INTEGRATED THERMAL TECHNOLOGY

P 5500 Series

PAR38 LED Architectural Downlighting



Product Information

P5500 is a high output **PAR 38 LED** lamp with advanced integrated thermal technology.

It comes with standard Edison base socket and can be used in commercial or residential lighting for interior applications.

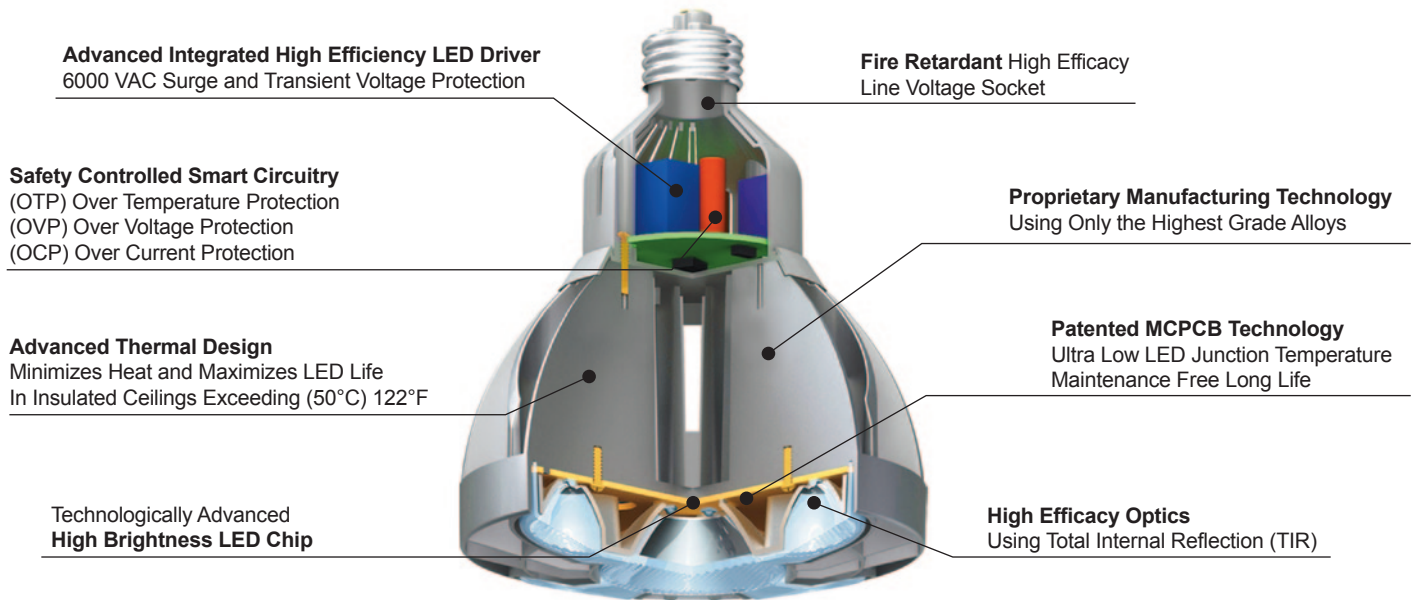
P5500 has a unique optical design that delivers maximum light output with an evenly uniform light distribution. Its High-Tech energy efficient design ensures reliable operation with a Short ROI Period for the commercial and hospitality sector.

US PATENT # 8,272,765 / 6,830,364 / US 2014 / 0301076A1 other US and international patents pending.

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Technical Drawing



Advantages of P5500

- **High Efficacy (lm/W)** PAR 38 down light
- High-Tech energy efficient design with a **Short ROI Period**
- **High CRI**, glare-free uniform lighting
- **Advanced integrated thermal technology** enables low LED Junction Temperatures (Tj) for maintenance free long life.
- **5-Year Limited Warranty**
- **Dimmable** built-in LED driver with **Smart Circuitry** enables greater protection when used in unstable electrical grids
- **Indoor / Outdoor** all-in-one PAR lamp for retrofit or new construction
- Designed and Engineered in the **USA**

Application

- Residential
- Retail
- Hospitality
- Healthcare
- Display

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Features

- P5500 Light Module is designed to last 60,000 hours with a minimum of 70% Lumen Maintenance
- High lumen output & high efficacy
- Available in warm 2700 / 3000K, neutral 4000K and cool 5000K white
- Dimmable to 25% with selected dimmers
- Suitable for recessed IC and non IC housings
- Indoor / outdoor: Ideal for damp locations

Housing

- Proprietary **Air-Flow Convection® System** designed to minimize heat and maximize LED life by reducing the junction temperature of the LED when used in environments exceeding 50°C (122°F)
- P5500 is manufactured using only the highest grade alloys and proprietary die-casting technology in the construction of the dome housing and heat sink to maximize performance and minimize cooling cost

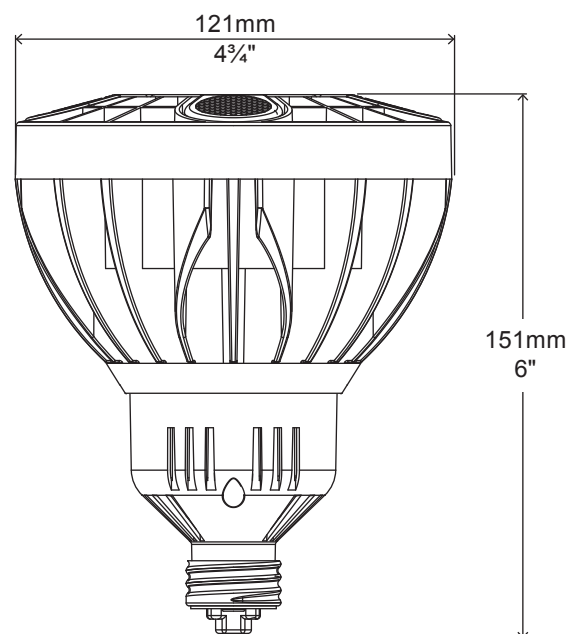
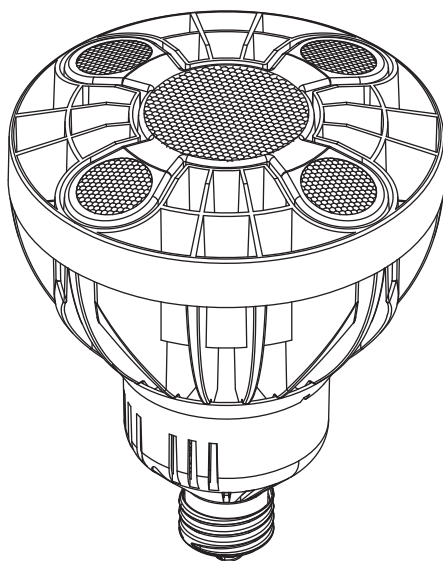
Electronics

- Patented MCPCB technology enables ultra low LED junction temperatures for maintenance free long life
- Integrated high efficiency LED driver and power supply
- Smart circuitry with surge and transient voltage protection
- Precisely controlled **constant current** draw for stable power source
- Powered by industry leading high brightness **LED** chip

Optics

- Proprietary high efficacy optical design using **Total Internal Reflection (TIR)** to deliver light where you need it most.

External Dimensions



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Sockets

E26/27 Standard Edison Socket



Mounting options



INDOOR CAN / RETROFIT

Part Number

RH5500

Part Description

RH5500 - Recessed Housing for Retrofit



SURFACE MOUNT / OUTDOOR CAN

Part Number

SMHP5500E-W

Part Description

P5500 E26/27 Socket / Surface Mount Housing / Indoor / White



INDOOR CAN / NEW CONSTRUCTION

Part Number

NH5500

Part Description

NH5500 - Recessed Housing for New Construction

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Ordering Information

P550	Voltage	Socket	-	CCT	Trim Color
	1 = 110VAC 2 = 220VAC	E = E26/27		27 = 2700K 30 = 3000K 40 = 4000K 50 = 5000K	M = Mocha W = White

Example

Part Number	Part Description
P5501E-30W	13Watt 110VAC E26/27 Standard Edison Socket / Dimmable / 3000K Warm White / White Trim

Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
24	68 x 52 x 37 cm 26¾ x 20½ x 14⅝ in	23.07 kg 50.75 lbs

Specification

Fixture Watts *	13 Watt
Lumens (Total) *	1,100 Lumens
Efficacy *	84 Lumens / W
LED Model	Lumileds
T _s - Solder Point Temp *	54°C
Operational Temperature (T _a)	-40°C ~ 45°C /
Light Beam Angle	120°
Incandescent Equivalence	110VAC or 220VAC / 0.3-0.15A / 47-63Hz
Input Voltage	100 Watt
CRI	85
Lighting Control	Triac - 10% / Step - 25%
Warranty	5-Year Limited
Storage Temp. / Humidity	-40°C ~ 80°C / 20 - 95% RH non - condensing

* Test data @ Ta: 25°C
NOTE: All Values Have ±7% Tolerance

